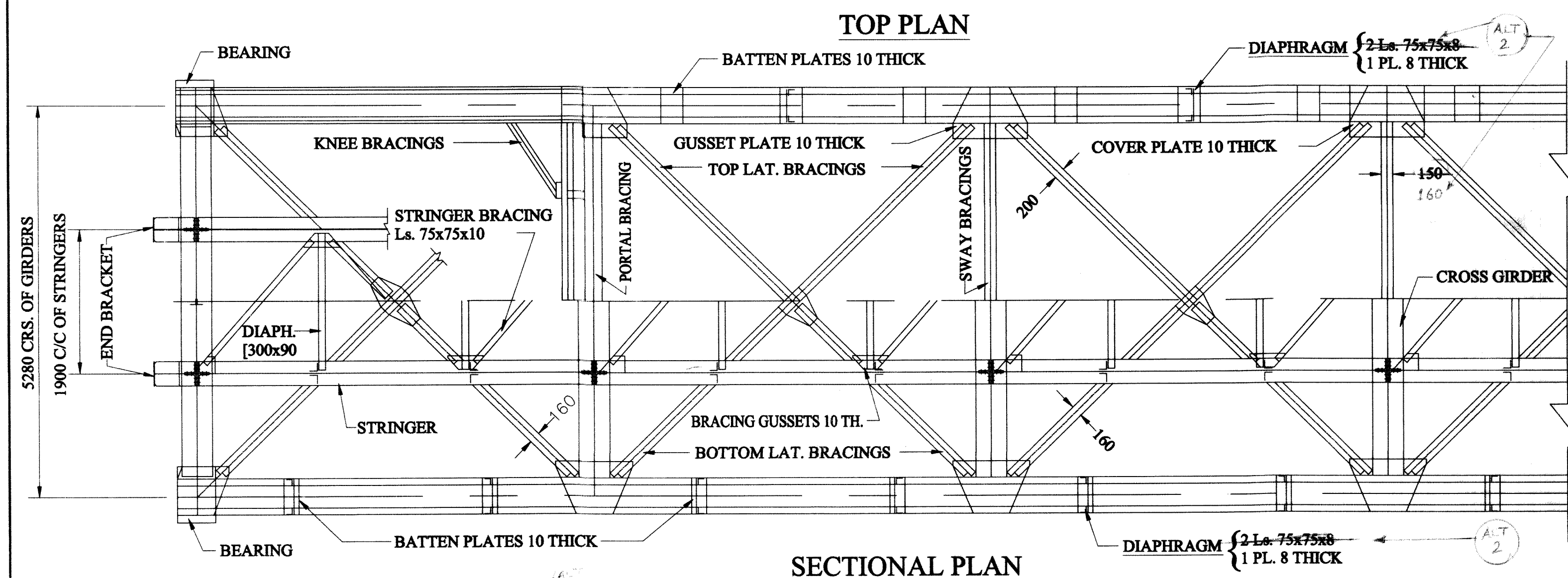


ELEVATION



TOP PLAN

SECTIONAL PLAN

16. THE WORKING OF LACING & BATTENS AND DIAPHRAGM SHALL BE DONE THROUGH MIG WELDING. UNLESS OTHERWISE SPECIFIED, METAL AND WELDING SHALL NOT BE DONE ANYWHERE IN THE FABRICATION PROCESS.

- All dimensions are in mm.
- All holes are 21.5 Dia. for 20 Dia. HSFG bolts.
- All HSFG bolts shall be 22 Dia. in 23.5 Dia. holes except bracings for which HSFG bolts are 20 Dia. in 21.5 Dia. holes.
- For single 30.5 m. span end brackets are to be provided at both ends.
- For multiple span bridge, one span will have brackets at both ends and the remaining will have brackets at one end only.
- All edges to be machined or control torch flame cut.
- Bent plates should be bent hot, free from cracks.
- The design for main truss and floor system is suitable for annual traffic of 100 years, 50 GMT of 25 T loading as per revised fatigue provisions.
- Weldable material is as per IS: 2062, quality 'Bo' fully killed and normalized other material can be as per IS: 2062, quality 'A' semi killed minimum.
- All butt welds are to be examined radiographically or any equally effective non destructive test method.
- Automatic sub-merged arc welding should be employed for butt & fillet welds wherever shown.
- All welds to be made by approved welders using approved welding procedures.
- For this span refer drawings nos. RDSO/B-17161 to RDSO/B-17178.
- This design is suitable for seismic zone - V.
- The surface preparation tightening procedure and other details for HSFG bolts shall be as per Drg No. RDSO/B-11760/R.

NOTE

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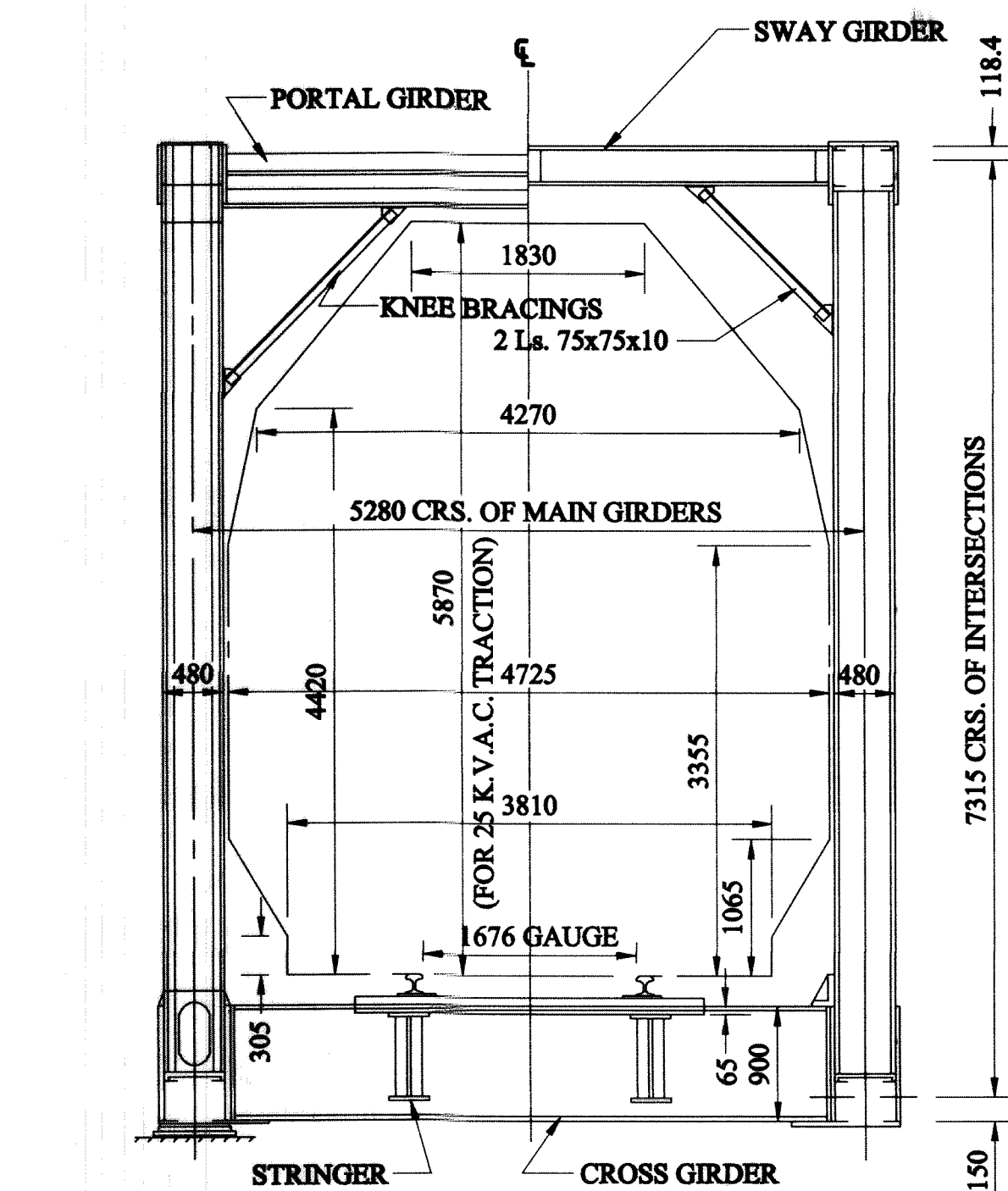
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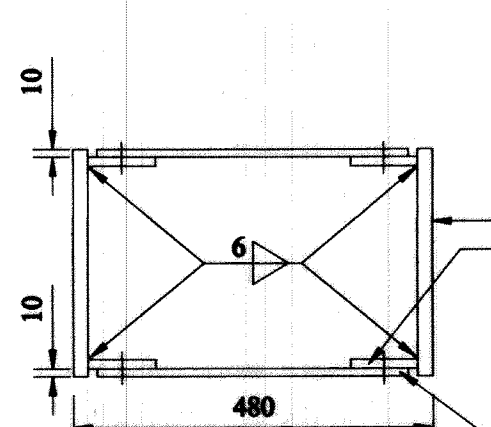
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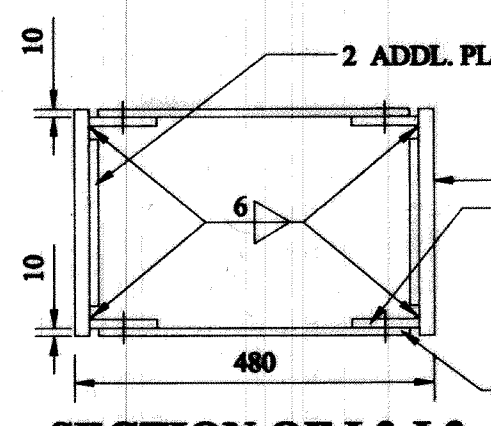


HALF END VIEW

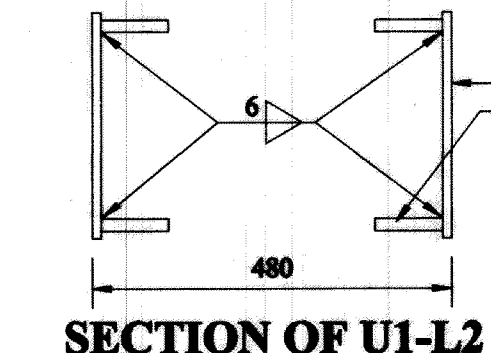
HALF SECTION



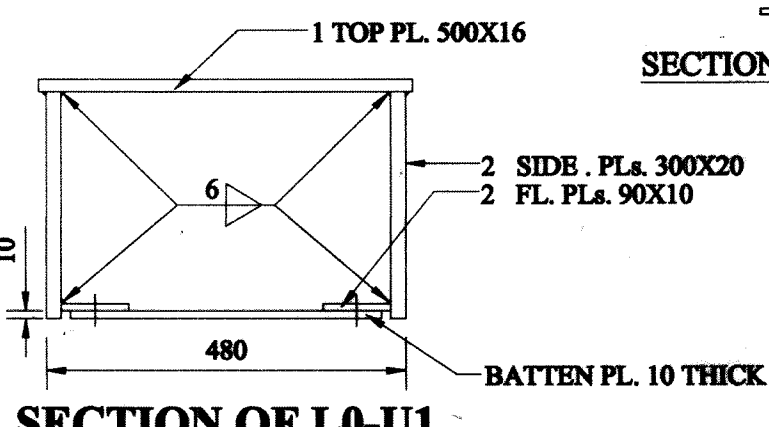
SECTION OF L0-L1-L2



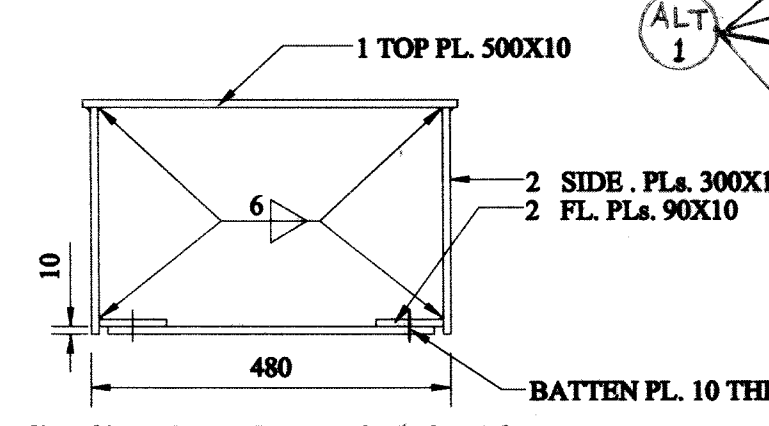
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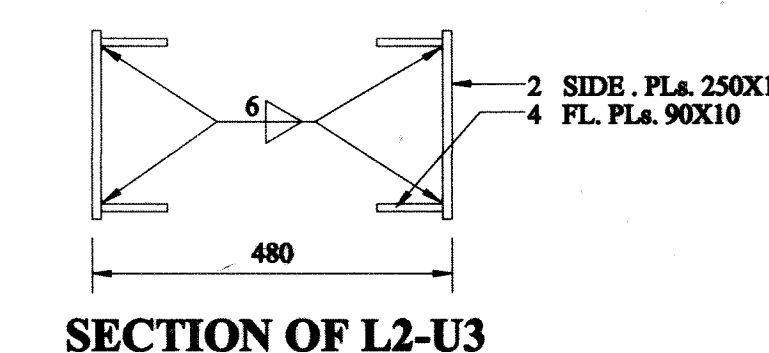
SECTION OF U1-L2



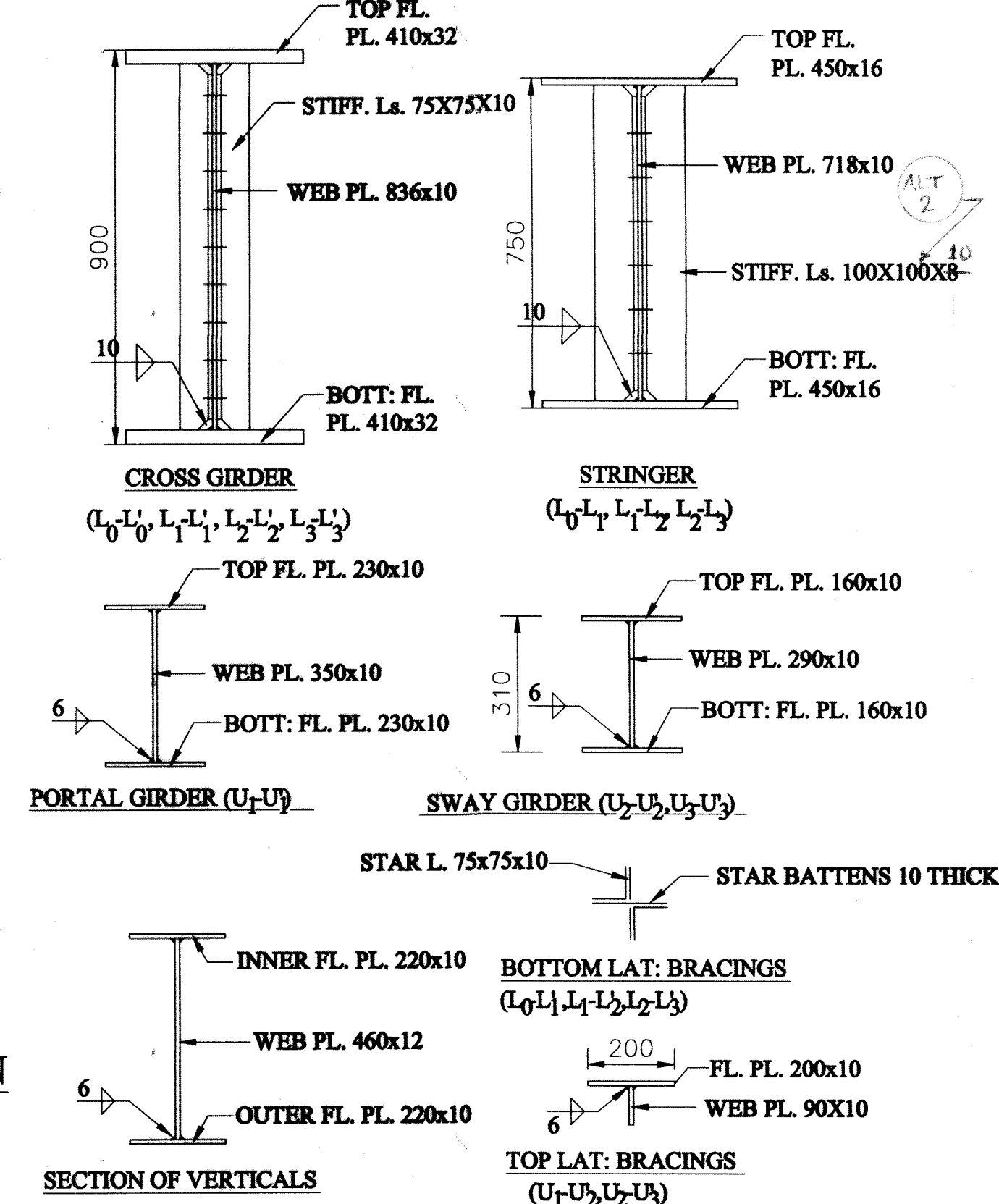
SECTION OF L0-U1



SECTION OF U1-U2-U3



SECTION OF L2-U3



SECTION OF VERTICALS

S.NO.	DRG. NO.	DESCRIPTION
1.	RDSO/B - 17162	STRESS SHEET
2.	RDSO/B - 17163	CAMBER DIAGRAM
3.	RDSO/B - 17164	DETAILS OF BEARINGS
4.	RDSO/B - 17165/R	DETAILS OF BOTTOM CHORD
5.	RDSO/B - 17166/R	DETAILS OF TOP CHORDS
6.	RDSO/B - 17167/R	DETAILS OF END RAKER AND PORTAL BRACINGS
7.	RDSO/B - 17168	DETAILS OF VERTICALS
8.	RDSO/B - 17169/R	DETAILS OF DIAGONALS
9.	RDSO/B - 17170	DETAILS OF BOTTOM CHORD JOINTS
10.	RDSO/B - 17171	DETAILS OF TOP CHORD JOINTS
11.	RDSO/B - 17172	DETAILS OF CROSS GIRDERS
12.	RDSO/B - 17173	DETAILS OF STRINGERS
13.	RDSO/B - 17174	DETAILS OF SWAY BRACINGS
14.	RDSO/B - 17175	DETAILS OF BOTTOM LATERAL BRACINGS
15.	RDSO/B - 17176	DETAILS OF TOP LATERAL BRACINGS
16.	RDSO/B - 17177	ERECTION DRAWING
17.	RDSO/B - 17178	SHIPPING LIST

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R. D. S. O.
अं अं मां सं

25 टी भारण - 2008
25 TONNES LOADING - 2008

30.50 मी० पाट
30.50 m. SPAN

खुलापेटा गर्डर (वेल्डेड पारगामी प्रकार)

OPEN WEB GIRDER (WELDED THROUGH TYPE)

सामान्य विन्यास
GENERAL ARRANGEMENT

PROVISIONAL

RDSO/B - 17161

IRS. M28/M39 FOR WELDING CONSUMABLES
IRS. WELDING BRIDGE CODE - 1972
STEEL BRIDGE CODE - 1962
FABRICATION & ERECTION IRS. B1 - 2001
METAL ARC WELDING IR: 9595 - 1980

MILLIMETRES
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

1 DRAWING REVIS-
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DATE